

10/507539

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Serial No. : To be assigned (U.S.
National Phase of
PCT/JP03/03289)

Applicants : Hiroshi MORITA et al.

Filed : Concomitantly Herewith

For : APPARATUS FOR CONTINUOUS
DISSOLUTION, PROCESS FOR
CONTINUOUS DISSOLUTION AND
APPARATUS FOR SUPPLYING WATER
CONTAINING DISSOLVED GAS

Docket No. : 04556/HG

Customer No.: 01933

Express Mail Mailing Label No.:
EV 443 226 722 US
Date of Deposit: September 13, 2004
I hereby certify that this paper is being
deposited with the United States Postal
Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 with
sufficient postage on the date indicated
above and is addressed to the
Commissioner for Patents,
P.O. Box 1450
Alexandria, VA 22313-1450


Dorothy DeFrancesco

In the event that this Paper is late
filed, and the necessary petition for
extension of time is not filed
concurrently herewith, please consider
this as a Petition for the requisite
extension of time, and to the extent not
tendered by check attached hereto,
authorization to charge the extension fee,
or any other fee required in connection
with this Paper to Account No. 06-1378.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: MAIL STOP PCT

S I R :

This application is a U.S. national phase application under
35 USC 371 of International application PCT/JP03/03289.

Submitted concomitantly herewith is a copy of the
International Search Report for PCT/JP03/03289 and an English-
language translation thereof.

Copies of the publications cited in the aforesaid
International Search Report are enclosed. Each of the
publications cited in the International Search Report for
PCT/JP03/3289 is considered relevant or material to the

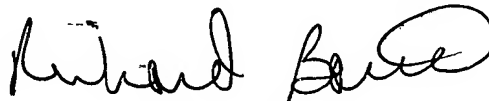
10/507539

patentability of the present invention in view of the citation thereof in said Search Report. The requirements for a concise explanation of relevancy of the publications cited in the aforesaid International Search Report are satisfied by the submission of an English-language translation of said Search Report.

The enclosed Form PTO/SB/08A lists the aforesaid publications and other publications.

It is respectfully requested that the attached publications be considered and made of record.

Respectfully submitted,



RICHARD S. BARTH
REG. NO. 28,180

FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.
767 THIRD AVENUE - 25TH FLOOR
NEW YORK, NEW YORK 10017-2023
Tel. Nos. (212) 319-4900
(212) 319-4551/Ext. 219
Fax No. (212) 319-5101
E-Mail Address: BARTH@FHGC-LAW.COM
RSB/ddf

- Enclosures: (1) Copy of International Search Report
for PCT/JP03/03289 dated July 1, 2004
- (2) Form PTO/SB/08A and copies of publications
listed thereon

Please type a plus sign (+) in this box →

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		To be assigned (U.S. national phase application of PCT/JP03/03289)	
				Filed		Concomitantly H ere with 10/507539	
				First Named Inventor		Hiroshi MORITA	
				Group Art Unit			
				Examiner Name			
Sheet	1	of	3	Attorney Docket Number		04556/HG	

U.S. PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		5,800,626	A	COHEN et al.	09-01-1998	
		4,595,498	A	COHEN et al.	06-17-1986	

FOREIGN PATENT DOCUMENTS

Exam Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	11-138182	A	KURITA WATER IND.	05-25-1999		*
		JP	2001-79376	A	KURITA WATER IND.	03-27-2001		**
		JP	2000-271549	A	KURITA WATER IND.	10-03-2000		**
		JP	2000-216130	A	KURITA WATER IND.	08-04-2000		**
		JP	10-202242	A	NSK INSULATORS et al.	08-04-1998		
		JP	11-077021	A	KURITA WATER IND.	03-23-1999		
		JP	11-077023	A	KURITA WATER IND.	03-23-1999		
		JP	09-232270	A	SHIBAURA ENG WORKS CO. LTD.	09-05-1997		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

*ENGLISH-LANGUAGE ABSTRACT AND ENGLISH-LANGUAGE TRANSLATION OF CLAIM 1 AND PORTION OF SPECIFICATION ENCLOSED.

**ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

***ENGLISH-LANGUAGE ABSTRACT AND ENGLISH-LANGUAGE TRANSLATION OF PORTION OF SPECIFICATION ENCLOSED.

Please type a plus sign (+) inside this box →



DT09 Rec'd PCT/PTO 13 SEP 2004
PTO/SB/08A (08-00)

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number		To be assigned (U.S. national phase application of PCT/JP03/03289)	
				Filed		Concomitantly Herewith	
				First Named Inventor		Hiroshi MORITA 10/507539	
				Group Art Unit			
				Examiner Name			
Sheet	2	of	3	Attorney Docket Number		04556/HG	

U.S. PATENT DOCUMENTS

Exam. Inits*	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam Inits*	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	2000-153139	A	PRE-TECH CO LTD	06-06-2000	**	
		JP	3029608	B1	PRE-TECH CO LTD	02-04-2000	****	
		JP	11-333475	A	TOKICO LTD	12-07-1999	**	
		JP	2001-286833	A	TOPPAN PRINTING CO	10-16-2001	**	
		JP	09-232273	A	SUMITOMO SITIX CORP.	09-05-1997	**	
		JP	10-154683	A	DAINIPPON SCREEN MFG. CO. LTD.	06-09-1998	**	
		JP	10-154685	A	DAINIPPON SCREEN MFG. CO. LTD.	06-09-1998	**	

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

**ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

***JP 3029608 IS A PATENT WHICH ISSUED FROM THE APPLN. PUBLISHED AS JP 2000-153139.

Please type a plus sign (+) inside this box →

+

DT09 Rec'd PCT/PTO 13 SEP 2004

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	To be assigned (U.S. national phase application of PCT/JP03/03289)
				Filed	Concomitantly Herewith
				First Named Inventor	Hiroshi MORIYA 10/507539
				Group Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	04556/HG

U.S. PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	08-281281	A	KOJIMA SEISAKUSHO:KK	10-29-1996	**	
		JP	9-501017	A	LEGACY SYSTEMS	01-28-1997	***	
		WO	95/02895	A1	LEGACY SYSTEMS	01-26-1995		
		JP	10-242107	A	IBM	09-11-1998	**	
		JP	3117427	B2	IBM	10-06-2000	****	
		JP	11-121417	A	MITSUBISHI ELEC. CORP.	04-30-1999	**	

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: SEPTEMBER 13, 2004

ENGLISH-LANGUAGE ABSTRACT ENCLOSED; *JP 9-501017 IS THE JAPANESE APPLN. CORRESPONDING TO WO 95/02895; ****JP 3117427 IS A PATENT WHICH ISSUED FROM THE APPLN. PUBLISHED AS JP 10-242107; USP 5,800,625 IS A FAMILY MEMBER OF JP 10-242107 AND JP 3117427.